

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 5, line 14, with the following rewritten paragraph:

1 Network 10 may be a computer network, where each device 11 ~~40~~ is a
2 computer workstation and controller 12 is a server computer that manages
3 network resources. Or, network 10 could be a calculator network, where each
4 device 11 ~~40~~ is a hand-held calculator and controller 12 is a hardware device for
5 communications control. These are but two examples of networks with which the
6 invention may be used. The communications links in the network 10 may be
7 wired, wireless, or some combination of these two media.

Please replace the paragraph beginning at page 6, line 17, with the following rewritten paragraph:

1 The login process of FIGURE 1 may be performed any time it is desired to
2 determine whether a new device 11 connected to network 10 and is attempting
3 to login. The login process permits that device 11 to be identified and to be
4 assigned a network address. This in turn, permits the device to send and
5 receive data via the network. In a typical network 10, controller 12 will initiate the
6 login process periodically, with the frequency being related to the likelihood that
7 new devices 11 are being added. For example, in a quickly changing network,
8 controller 12 might initiate a new login process once every few seconds. Devices
9 11 that have not yet logged in are a programmed to wait for a login initialization
10 code, and to then receive requests and deliver acknowledgements as described
11 below.